

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10390 (1983): Muscle Hook [MHD 5: Ophthalmic Instruments and Appliances]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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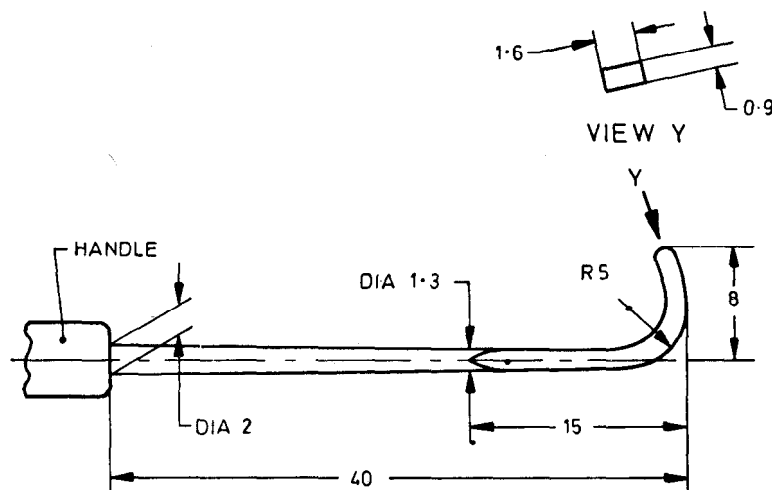




Indian Standard
**SPECIFICATION FOR
MUSCLE HOOK**

1. Scope — Covers dimensional and other requirements for muscle hook used in eye surgery.

2. Shape and Dimensions — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 MUSCLE HOOK

2.1 A deviation of ± 2.5 percent shall be allowed on all dimensions.

3. Material

3.1 Hook — Shall be made of stainless steel conforming to Designation 20Cr13 or 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

3.2 Handle — Shall conform to IS : 7783-1981 'General requirements for handles, instruments, eye surgery (first revision)'.

4. Requirements — The hook shall be finished smooth and shall be free from burrs, pits, cracks, etc. The edges shall be even and rounded off. The shank of the hook shall be fixed to Type H1 handle conforming to IS : 7783-1981. When the hook is fixed to handle of Type H1, the collar diameter shall be 3.2 mm. The silver soldering of the shank of the hook with the handle after push fitting shall be neat and sound. The hook shall be polished bright and passivated. The hook shall be uniformly hardened and tempered.

5. Hardness — 380 to 420 HV.

6. Tests

6.1 Performance — The hook shall be held against an edge. The handle shall be gripped between the fore fingers and the thumb. A moderate pull (force) shall be applied along the long axis of the instrument. On release of the force, the hook shall not show any permanent set.

6.2 Flexibility — The handle shall be fixed in a vice so that the whole length of the blade protrudes out of the vice jaws in the horizontal plane and the hook tip faces upwards. A load of 1 kg shall be suspended from the tip of the hook for 2 minutes. During and at the end of the test, the hook shall not show any sign of damage or deflection.

Adopted 31 January 1983

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6.3 Corrosion Resistance — The hook shall satisfy the boiling and autoclaving test as specified in IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments.

7. Marking — Each instrument shall be marked with either the manufacturer's name or initials, or trade-mark and the country of manufacture.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — Each instrument shall be wrapped in moisture-proof paper or packed in a polyethylene bag avoiding contact with one another, or shall be packed as agreed to between the purchaser and the supplier. While packing the tip of the hook shall be suitably protected.